

RECEIVED
CENTRAL FAX CENTER
MAR 12 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for transforming a seedling of soybean or dry bean leguminous plant comprising the steps of:
 - (a) contacting the apical meristem ~~a meristematic tissue~~ of the soybean or dry bean seedling leguminous plant with a medium comprising DNA;
 - (b) suspending the root of the soybean or dry bean seedling leguminous plant in buffer and contacting said root with a positive lead of a power source;
 - (c) contacting the medium comprising DNA in step (a) with a negative lead of the power source; and
 - (d) applying a low amperage current from the power source, thereby causing the DNA to migrate from the medium to the cells of the apical meristem ~~meristematic tissue~~ of the soybean or dry bean seedling leguminous plant.
2. (Canceled).
3. (Canceled).
4. (Canceled).
5. (Canceled).
6. (Original) The method of claim 1, wherein the DNA is a plasmid vector.
7. (Original) The method of claim 6, wherein the plasmid vector is linearized.
8. (Previously Presented) The method of claim 6, wherein the plasmid vector contains a gene for barley oxalic acid oxidase.
9. (Original) The method of claim 1, wherein the current is about 0.01 to about 1.0 mA.
10. (Original) The method of claim 1, wherein the current is about 0.1 to about 0.5 mA.

11. (Canceled).
12. (Canceled).
13. (Canceled).
14. (Canceled).
15. (Canceled).
16. (Canceled).
17. (Canceled).
18. (Canceled).
19. (Canceled).
20. (Canceled).
21. (Currently Amended) A method for producing seed of a transformed soybean or dry bean leguminous plant comprising the steps of:
 - (a) growing a transformed soybean or dry bean plant from the transformed seedling produced by the method of claim 1;
 - (a) ~~(b)~~ propagating the transformed soybean or dry bean leguminous plant ~~produced by the method of claim 1;~~
 - (b) ~~(c)~~ pollinating the transformed soybean or dry bean leguminous plant; and
 - (e) ~~(d)~~ harvesting seed from the transformed soybean or dry bean leguminous plant.
22. (Currently Amended) A method for transforming a seedling of soybean or dry bean leguminous plant comprising the steps of:
 - (a) contacting the apical meristem ~~a meristematic tissue~~ of the soybean or dry bean seedling ~~leguminous plant~~ with a medium comprising DNA, wherein said DNA comprises a plasmid vector having a T-DNA region and border sequences;

- (b) suspending the root of the soybean or dry bean seedling in buffer and contacting said root ~~contacting an area of the leguminous plant below the meristematic tissue of step (a)~~ with a positive lead of a power source;
- (c) contacting the medium comprising DNA in step (a) with a negative lead of the power source; and
- (d) applying a low amperage current from the power source, thereby causing the DNA to migrate from the medium to the cells of the apical meristem ~~meristematic tissue~~ of the soybean or dry bean seedling ~~leguminous plant~~.

23. (Canceled).
24. (Previously Presented) The method of claim 22 wherein the plasmid vector contains a gene for barley oxalic acid oxidase.
25. (Canceled).
26. (Canceled).
27. (Canceled).
28. (Previously Presented) The method of claim 22, wherein the plasmid vector is linearized.
29. (Previously Presented) The method of claim 22, wherein the current is about 0.01 to about 1.0 mA.
30. (Previously Presented) The method of claim 22, wherein the current is about 0.1 to about 0.5 mA.
31. (Canceled).
32. (Canceled).
33. (Canceled).